

Amendments to the Specification

Amend the paragraph at page 3, lines 9 to 20, to read as follows:

~~US-A-48523337~~ U.S. Pat. No. 4,852,397 discloses a procedure for measuring material properties of a ~~tructure~~ structure. The method is used to test the material properties of a failed structure. The results are used to determine if the remaining structure is safe to dismantle or even partially remain in service. This system does not indicate in any way, how to measure the loads or geometry of any system, let alone how to further predict the ~~Integrity~~ integrity of such a structure. This method can only be used as a destructive method of determining material behaviour such as a Stress-Strain Curve and Fracture Toughness.

Amend the paragraph at page 14, lines 10 to 21, to read as follows:

In FIG. 1 reference numbers 23 and 24 are used for a graphic representation of flaws, pits and cracks which can be present in the vessel wall. During the lifetime of the vessel the actual size of such flaws, pits and cracks(in 3-d) will be used in calculations of the value for the integrity of the structure. That means that according to the present invention no estimations of trends are used. The actual sizes 2a, 2c, B, W, P, h of the flaws, pits and cracks in the system will be used when calculating the representative value for the integrity of the structure.